



P.B.5818 - Patentlaan 2  
2280 HV Rijswijk (ZH)  
☎ +31 70 340 2040  
TX 31651 epo nl  
FAX +31 70 340 3016

**Europäisches  
Patentamt**

Zweigstelle  
in Den Haag  
Recherchen-  
abteilung

**European  
Patent Office**

Branch at  
The Hague  
Search  
division

**Office européen  
des brevets**

Département à  
La Haye  
Division de la  
recherche

Wagner, Karl H., Dipl.-Ing.  
WAGNER & GEYER  
Patentanwälte  
Gewürzmühlstrasse 5  
80538 München  
ALLEMAGNE

**Wagner & Geyer**

**11. Nov. 2002**

**EINGANG  
RECEIVED**

Datum/Date

**12.11.02**

Zeichen/Ref./Réf.

**WH-E-19201/1608**

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

**01126229.2-2315-**

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

**EBARA CORPORATION**

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☐ abstract

☒ title

☒ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 2

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





European Patent  
Office

## EUROPEAN SEARCH REPORT

Application Number  
EP 01 12 6229

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 775 812 A (KITAMORI TERUAKI) 4 October 1988 (1988-10-04)	1,2	F04D19/04 H02K16/00
A	* column 2, line 55 - column 3, line 4 * * column 4, line 37 - line 68; figure 3 *	9	H02K7/14 F04D27/02
X	DE 198 32 576 A (ECKERT FRANK) 27 January 2000 (2000-01-27)	1	
A	* column 3, line 35 - column 5, line 8; figure 1 *	9	
A	EP 0 283 287 A (SEIKO SEIKI KK) 21 September 1988 (1988-09-21) * column 2, line 19 - column 3, line 48; figure 1 *	4-6,8	
A	EP 0 467 517 A (SATAKE ENG CO LTD) 22 January 1992 (1992-01-22) * column 9, line 12 - line 46; figure 1 *	1,9	
A	DE 38 26 710 A (JAPAN ATOMIC ENERGY RES INST ;MITSUBISHI HEAVY IND LTD (JP); MITSU) 16 February 1989 (1989-02-16) * column 7, line 16 - column 8, line 56; figure 4 *	4	TECHNICAL FIELDS SEARCHED (Int.Cl.7) F04D H02K
A	US 3 809 990 A (KUO B ET AL) 7 May 1974 (1974-05-07) * the whole document *	1	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 6 November 2002	Examiner Di Giorgio, F
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 12 6229

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-11-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4775812	A	04-10-1988	JP	62268346 A	20-11-1987
DE 19832576	A	27-01-2000	DE	19731930 A1	21-01-1999
			DE	19810566 A1	16-09-1999
			DE	19832576 A1	27-01-2000
			AU	8540798 A	04-01-1999
			DE	19815857 A1	25-11-1999
			DE	19880792 D2	30-11-2000
			WO	9859410 A1	30-12-1998
EP 0283287	A	21-09-1988	JP	2556320 B2	20-11-1996
			JP	63230990 A	27-09-1988
			DE	3861690 D1	07-03-1991
			EP	0283287 A2	21-09-1988
			US	4878813 A	07-11-1989
EP 0467517	A	22-01-1992	JP	2828319 B2	25-11-1998
			JP	4033590 A	04-02-1992
			JP	2975400 B2	10-11-1999
			JP	4058750 A	25-02-1992
			AU	643525 B2	18-11-1993
			AU	7729791 A	28-11-1991
			DE	69100430 D1	04-11-1993
			DE	69100430 T2	28-04-1994
			DK	467517 T3	03-01-1994
			EP	0467517 A1	22-01-1992
			FI	912532 A	27-11-1991
			KR	215534 B1	16-08-1999
			NO	912024 A	27-11-1991
			US	5254894 A	19-10-1993
DE 3826710	A	16-02-1989	JP	1262399 A	19-10-1989
			JP	2113733 C	06-12-1996
			JP	8019917 B	04-03-1996
			JP	1041698 A	13-02-1989
			JP	1944995 C	23-06-1995
			JP	6074796 B	21-09-1994
			DE	3826710 A1	16-02-1989
US 3809990	A	07-05-1974	NONE		



## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

01126229.2

A compound motor comprising a plurality of motors (20,30,40), each motor comprising a rotating member (23,33,43) that is rotatably supported and a stator winding (24,34,44), wherein all rotating members share the same axis of rotation and the stator winding of each motor has a different number of poles.